

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10598774	
	Filing Date		2008-09-11	
	First Named Inventor	Matsui, et al.		
	Art Unit	2812 2826		
	Examiner Name	Unknown Eric Bomkamp		
	Attorney Docket Number	113184-119		

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10598774
Filing Date	2006-09-11
First Named Inventor	Matsui, et al.
Art Unit	2812
Examiner Name	Unknown
Attorney Docket Number	113184-119

/E.B./	1	LUKAS, A.S., WASIELEWSKI, M.R., Approaches to a Molecular Switch Using Photoinduced Electron and Energy Transfer, Molecular Switches, 2001, pp. 1-3, WILEY-VCH GmbH, Weinheim, Germany.	<input type="checkbox"/>
/E.B./	2	IRIE, M., Photoswitchable Molecular Systems Based on Diarylethenes, Molecular Switches, 2001, pp. 37-38, WILEY-VCH GmbH, Weinheim, Germany.	<input type="checkbox"/>
/E.B./	3	MROZEK, T., DAUB, J., AJAYAGHOSH, A., Optoelectronic Molecular Switches Based on Dihydroazulene-Vinylheptafulvene (DHA-VHF), Molecular Switches, 2001, pp. 63-67, WILEY-VCH GmbH, Weinheim, Germany.	<input type="checkbox"/>
/E.B./	4	IKEDA, T., KANAZAWA, A., Liquid Crystal Photonics: Opto-photochemical Effects in Photoresponsive Liquid Crystals, Molecular Switches, 2001, pp. 363-364, WILEY-VCH GmbH, Weinheim, Germany.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Eric Bomkamp/	Date Considered	10/15/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2006-11-03
First Named Inventor	Matsui et al.	
Art Unit	2826	
Examiner Name	Eric Bomkamp	
Attorney Docket Number	113184-119	

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	2006-11-03
First Named Inventor	Matsui et al.
Art Unit	
Examiner Name	
Attorney Docket Number	113184-119

/E.B./	1	Yo Shimizu "Columnar Liquid Crystals: Versatile molecular structures thereof and Intermolecular interaction," Liquid Crystals, 2002, Vo. 6, pp. 147-159	<input type="checkbox"/>
--------	---	---	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Eric Bomkamp/	Date Considered	10/15/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2006-09-11
First Named Inventor	Matsui et al.	
Art Unit	2826	
Examiner Name	Eric Bomkamp	
Attorney Docket Number	113184-119	

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/E.B./	1	6128214		2000-10-03	Kuekes et al.	
/E.B./	2	6256767		2001-07-03	Kuekes et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/E.B./	1	6-509953	JP		1994-10-27			<input type="checkbox"/>
/E.B./	2	2003-218360	JP		2003-07-31	SEIKO EPSON CORP		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2006-09-11
First Named Inventor	Matsui et al.	
Art Unit		
Examiner Name		
Attorney Docket Number	113184-119	

/E.B./	3	7-113995	JP		2006-09-11	SHARP KK		<input type="checkbox"/>
--------	---	----------	----	--	------------	----------	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
/E.B./	1	Lizhen Ruan et al., "The effect of an electric field on a homeotropically aligned smectic C liquid crystal" Liquid Crystal, Vol. 18, No. 1, pp. 81-86	<input type="checkbox"/>
/E.B./	2	Jose A.S. Cavaleiro et al., Tetrahedron Letters, Vol. 33, No. 45, pp. 6871-6874, November 3, 1992	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Eric Bomkamp/	Date Considered	10/15/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2006-09-11
First Named Inventor	Matsui et al.	
Art Unit	2826	
Examiner Name	Eric Bomkamp	
Attorney Docket Number	113184-119	

U.S. PATENTS[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/E.B./	1	6128214		2000-10-03	Kuekes et al.	
/E.B./	2	6256767		2001-07-03	Kuekes et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

[Add](#)**U.S. PATENT APPLICATION PUBLICATIONS**[Remove](#)

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

[Add](#)**FOREIGN PATENT DOCUMENTS**[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/E.B./	1	6-509953	JP		1994-10-27			<input type="checkbox"/>
/E.B./	2	2003-218360	JP		2003-07-31	SEIKO EPSON CORP		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2006-09-11
First Named Inventor	Matsui et al.	
Art Unit		
Examiner Name		
Attorney Docket Number	113184-119	

/E.B./	3	7-113995	JP		2006-09-11	SHARP KK		<input type="checkbox"/>
--------	---	----------	----	--	------------	----------	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
/E.B./	1	Lizhen Ruan et al., "The effect of an electric field on a homeotropically aligned smectic C liquid crystal" Liquid Crystal, Vol. 18, No. 1, pp. 81-86	<input type="checkbox"/>
/E.B./	2	Jose A.S. Cavaleiro et al., Tetrahedron Letters, Vol. 33, No. 45, pp. 6871-6874, November 3, 1992	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Eric Bomkamp/	Date Considered	10/15/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.